Claims

What is claimed is:

1   1.   A method for implementing device selection in a robotic media
2   library with multiple media types and multiple device types comprising the
3   steps of:
4   storing a first indicator with predefined media information to identify a
5   required technology for each media;
6   identifying an operation request to the robotic media library;
7   responsive to said operation request, checking for multiple device
8   types in the robotic media library;
9   responsive to identifying the multiple device types in the robotic media
10   library and a default value for said first indicator, selecting a first device type;
11   and
12   selecting a device of said selected first device type.

1   2.   A method for implementing device selection in a robotic media
2   library as recited in claim 1 includes the steps responsive to said operation
3   request, of setting a device type from said predefined media information.

1   3.   A method for implementing device selection in a robotic media
2   library as recited in claim 1 wherein the step, responsive to identifying the
3   multiple device types in the robotic media library and a default value for said
4   first indicator, of selecting said first device type includes the steps of storing
5   a value representing said first device type for said first indicator.

1   4.   A method for implementing device selection in a robotic media
2   library as recited in claim 1 wherein the step, responsive to identifying the
3   multiple device types in the robotic media library and a default value for said
4   first indicator, of selecting said first device type includes the steps of
5   selecting a newest device type in the robotic media library for said first
6   device type.

1   5. A method for implementing device selection in a robotic media
2 library as recited in claim 1 includes the steps responsive to selecting said
3 device of said selected first device type, placing media in said selected
4 device.

1   6. A method for implementing device selection in a robotic media
2 library as recited in claim 5 further includes the steps of checking for
3 successful operation, and responsive to an unsuccessful operation, selecting
4 a next device type.

1   7. A method for implementing device selection in a robotic media
2 library as recited in claim 6 wherein the step of selecting said next device
3 type includes the steps of selecting a next oldest device type in the robotic
4 media library for said next device type.

1   8. A method for implementing device selection in a robotic media
2 library as recited in claim 6 includes the steps of selecting a second device
3 of said selected next device type, placing media in said selected second
4 device.

1   9. A method for implementing device selection in a robotic media
2 library as recited in claim 8 further includes the steps of checking for
3 successful operation, and responsive to an unsuccessful operation, selecting
4 a next device type.

1   10. A method for implementing device selection in a robotic media
2 library as recited in claim 8 further includes the steps of checking for
3 successful operation, and responsive to said successful operation,
4 continuing with a requested operation.

1   11. A method for implementing device selection in a robotic media
2 library as recited in claim 1 includes the steps of storing a second indicator to
3 describe each said device in said robotic media library.

1   12.   A method for implementing device selection in a robotic media
2 library as recited in claim 11 includes the steps of storing said second
3 indicator with predefined information for each said device in said robotic
4 media library.

1   13.   A computer program product for implementing device selection
2 in a robotic media library in a computer system, said computer program
3 product including instructions executed by the computer system to cause the
4 computer system to perform the steps of:
5   storing a first indicator with predefined media information to identify a
6 required technology for each media;
7   identifying an operation request to the robotic media library;
8   responsive to said operation request, checking for multiple device
9 types in the robotic media library;
10   responsive to identifying the multiple device types in the robotic media
11 library and a default value for said first indicator, selecting a first device type;
12 and
13   selecting a device of said selected first device type.

1   14.   A computer program product for implementing device selection
2 as recited in claim 13 includes the steps responsive to said operation
3 request, of setting a device type from said predefined media information.

1   15.   A computer program product for implementing device selection
2 as recited in claim 13 wherein the step of selecting said first device type
3 includes the steps of storing a value representing said first device type for
4 said first indicator.

1   16.   A computer program product for implementing device selection
2 as recited in claim 13 wherein the step of selecting said first device type
3 includes the steps of selecting a newest device type in the robotic media
4 library for said first device type.

1   17.   A computer program product for implementing device selection
2 as recited in claim 13 includes the steps responsive to selecting said device
3 of said selected first device type, placing media in said selected device.

1   18.   A computer program product for implementing device selection

2   as recited in claim 17 further includes the steps of checking for successful

3   operation, and responsive to an unsuccessful operation, selecting a next

4   device type.

1   19.   Apparatus for implementing device selection in a robotic media

2   library comprising:

3   a stored media information;

4   a first indicator stored with predefined media information to identify a

5   required technology for each media;

6   a device selection control program for identifying an operation request

7   to the robotic media library; responsive to said operation request, for

8   checking for multiple device types in the robotic media library; responsive to

9   identifying the multiple device types in the robotic media library and a default

10   value for said first indicator, for selecting a first device type; and for selecting

11   a device of said selected first device type.

1   20.   Apparatus for implementing device selection in a robotic media

2   library as recited in claim 19 wherein said device selection control program

3   responsive to media being placed in said selected device, performs checking

4   for successful operation, and responsive to an unsuccessful operation,

5   selects a next device type.

1   21.   Apparatus for implementing device selection in a robotic media

2   library as recited in claim 19 wherein said device selection control program

3   responsive to media being placed in said selected device, performs checking

4   for successful operation, and responsive to said successful operation,

5   continues with a requested operation.

1   22.   Apparatus for implementing device selection in a robotic media

2   library as recited in claim 19 wherein said device selection control program

3   stores a second indicator to describe each said device in said robotic media

4   library.